Potential flood mitigation measures to be explored as part of the scenario testing phase of NRRI

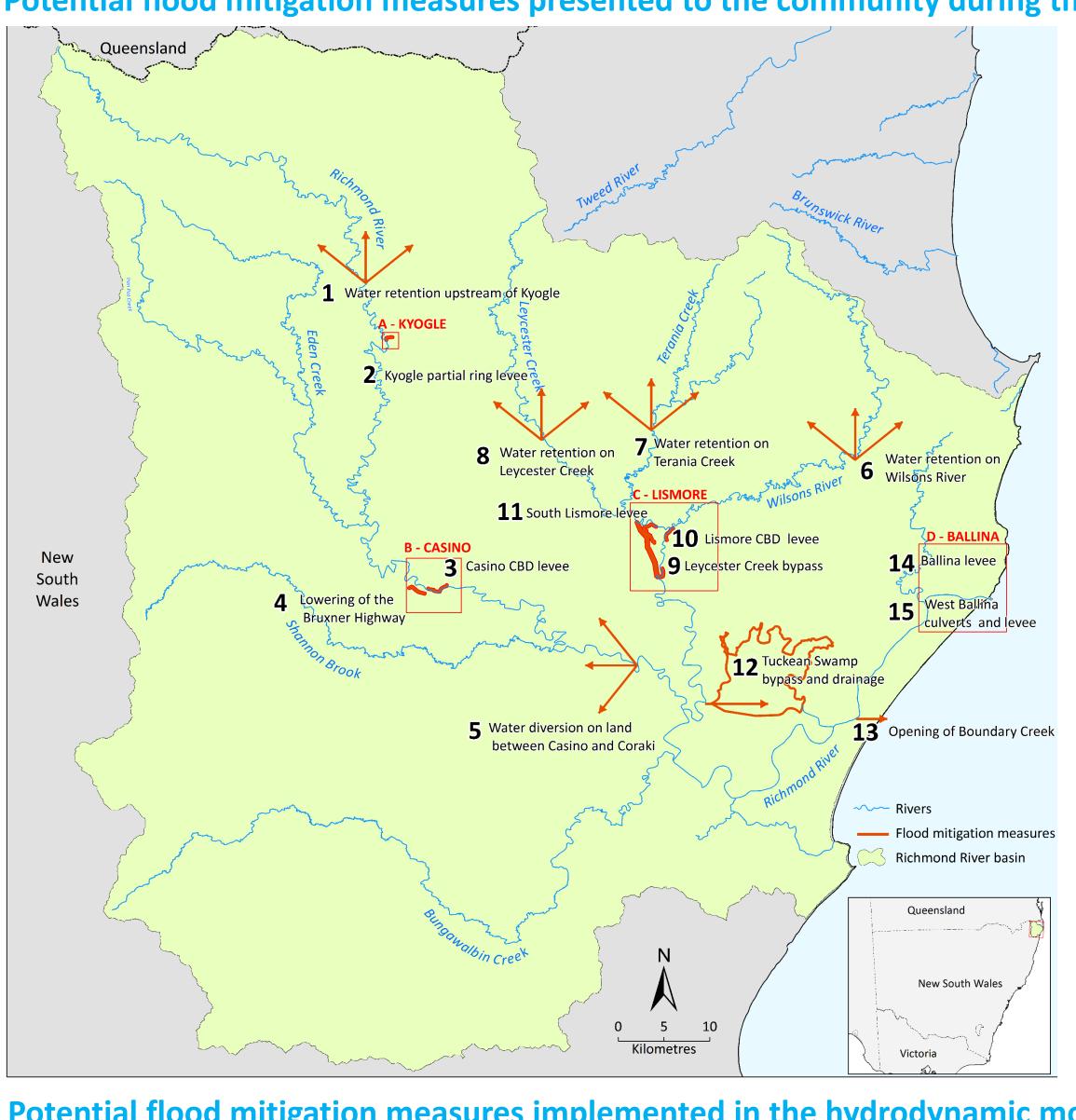
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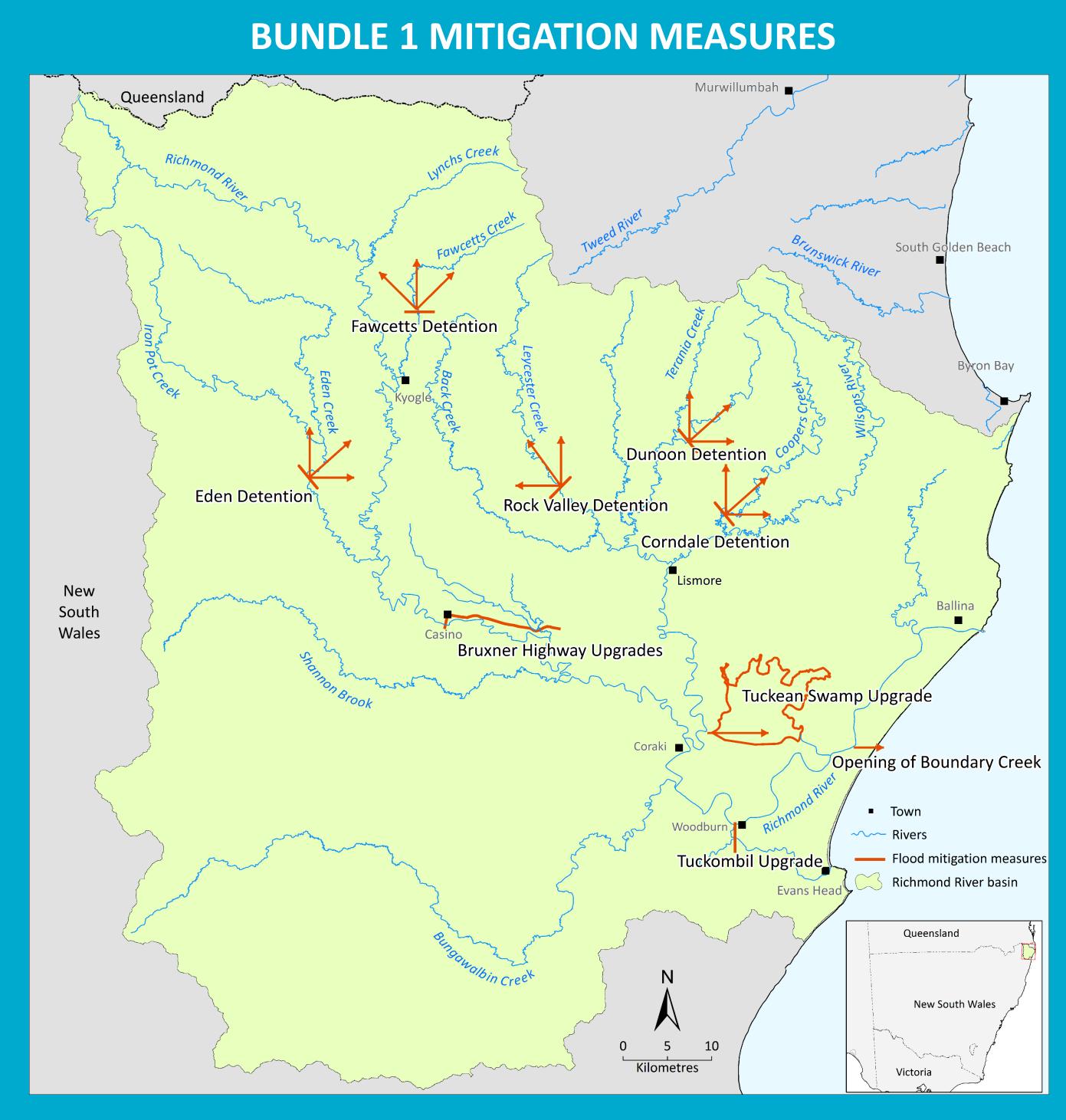


Potential flood mitigation measures presented to the community during the consultation process



- Potential flood mitigation measures
- Water retention or diversion on land upstream of Kyogle (location to be finalised)
- Kyogle partial ring levee (implemented)
- Casino CBD levee
- Lowering of the Bruxner Highway
- Water diversion on land between Casino and Coraki (location to be finalised)
- Water retention in the Wilsons catchment upstream of Lismore (location to be finalised)
- Water retention in the Terania Creek catchments upstream of Lismore (localisation to be finalised)
- Water retention in the Leycester Creek catchment upstream of Lismore (location to be finalised)
- Leycester Creek bypass
- Lismore CBD levee upgrade
- South Lismore levee upgrade
- Tuckean Swamp bypass and drainage, and Baggotville barrage upgrade
- Opening of Boundary Creek to the Pacific Ocean
- Ballina levee (location to be finalised)
- West Ballina culverts and levee (location to be finalised)

Potential flood mitigation measures implemented in the hydrodynamic model



- Fawcetts Detention
- Eden Detention
- Rock Valley Detention
- Dunoon Detention
- Corndale Detention
- Tuckean Swamp Upgrade
- Opening of Boundary Creek
- Bruxner Highway Upgrades
- Tuckombil Upgrade

BUNDLE 2 MITIGATION MEASURES Queensland South Golden Beach Detention **Fawcetts Detention** Goolmangar Detention Dunoon Detention **Eden Detention** Bentley Detention Rock Valley Detention Corndale Detention New Barlings Detention South Bruxner Highway Upgrades Tuckean Swamp Upgrade Opening of Boundary Creek Rivers Flood mitigation measures Tuckombil Upgrade Richmond River basin Queensland **New South Wales** Kilometres

- Fawcetts Detention
- Eden Detention
- Rock Valley Detention
- Dunoon Detention
- Corndale Detention
- Tuckean Swamp Upgrade
- Opening of Boundary Creek
- Bruxner Highway Upgrades
- Tuckombil Upgrade
- Collins Valley Detention
- Barlings Detention
- Bentley Detention
- Goolmangar Detention
- Booyong Detention







Citation - Vaze J, Mateo CM, Nguyen C, Marvanek S, Ticehurst C, Montazeri M, Teng J, Wang B, Austin J, Kim S, Lerat J, Yang A, Merrin L and Chilcott C (2025) Hydrodynamic model development, implementation and validation for the Richmond River catchment in the Northern Rivers region, NSW, Australia. CSIRO, Australia.